



# CorePro LED PLC 2P



## CorePro LED PLC 8.9W 830 2P G24d-3

CorePro LED PLC 2P integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplampping in general lighting applications: it meets basic lighting requirements, offers significant energy savings, and is environmentally friendly.

### Product data

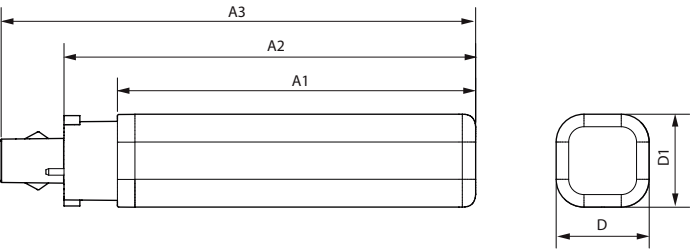
| General Information                          |                    |
|----------------------------------------------|--------------------|
| Cap-Base                                     | G24d-3             |
| Nominal lifetime                             | 30,000 hour(s)     |
| Switching Cycle                              | 50,000             |
| Lighting Technology                          | LED                |
| Flux measurement reference                   | Sphere             |
| Light Technical                              |                    |
| Color Code                                   | 830 [CCT of 3000K] |
| Beam Angle (Nom)                             | 120 degree(s)      |
| Luminous Flux                                | 990 lm             |
| Color Designation                            | White (WH)         |
| Correlated Color Temperature (Nom)           | 3000 K             |
| Luminous Efficacy (rated) (Nom)              | 111 lm/W           |
| Color Consistency                            | <6                 |
| Color rendering index (CRI)                  | 82                 |
| LLMF At End Of Nominal Lifetime (Nom)        | 70 %               |
| Photobiological safety according to EN 62471 | RG1                |
| Operating and Electrical                     |                    |
| Input Frequency                              | 50 to 60 Hz        |
| Power Consumption                            | 8.9 W              |
| Lamp Current (Nom)                           | 52 mA              |

| Starting Time (Nom)                                                          | 0.5 s     |
|------------------------------------------------------------------------------|-----------|
| Warm-up time to 60% light                                                    | 0.5 s     |
| Power Factor (Fraction)                                                      | 0.9       |
| Voltage (Nom)                                                                | 220-240 V |
| Ballast Compatibility                                                        | EM/Mains  |
| LED alternative to fluorescent lamp power                                    | 26 W      |
| Inrush current at mains                                                      | 2.77      |
| Max. lamp no. on MCB B type 10A - Mains                                      | 198       |
| Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor. | 198       |
| Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.    | -         |
| Max. lamp no. on MCB B type 16A - Mains                                      | 317       |
| Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor. | 317       |
| Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.    | -         |
| Temperature                                                                  |           |
| T-Case Maximum (Nom)                                                         | 75 °C     |

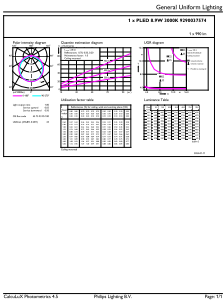
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|                               |                                                     |
|-------------------------------|-----------------------------------------------------|
| Controls and Dimming          |                                                     |
| Dimmable                      | No                                                  |
| Mechanical and Housing        |                                                     |
| Bulb Finish                   | Frosted                                             |
| Bulb Material                 | Plastic                                             |
| Product Length                | 148 mm                                              |
| Bulb Shape                    | PL-C                                                |
| Net Weight (Piece)            | 0.090 kg                                            |
| Approval and Application      |                                                     |
| Energy Efficiency Class       | E                                                   |
| Energy Saving Product         | Yes                                                 |
| Approval Marks                | RoHS compliance CE marking<br>KEMA Keur certificate |
| Energy Consumption kWh/1000 h | 9 kWh                                               |
| EPREL Registration Number     | 1820627                                             |
| CE mark                       | Yes                                                 |
| EU RoHS compliant             | Yes                                                 |

Dimensional drawing



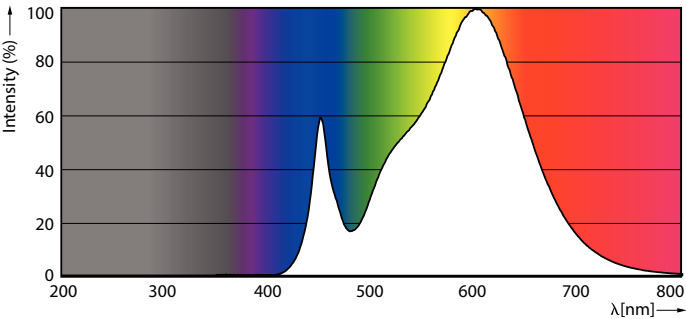
Photometric data



General uniform lighting - CorePro LED PLC 8.9W 830 2P G24d-3

|                                                                 |                                    |
|-----------------------------------------------------------------|------------------------------------|
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1                                  |
| Stroboscopic effect visibility measure (SVM)                    | 0.4                                |
| Ambient temperature range                                       | -20 to +35 °C                      |
| Product Data                                                    |                                    |
| Order product name                                              | CorePro LED PLC 8.9W 830 2P G24d-3 |
| Full product name                                               | CorePro LED PLC 8.9W 830 2P G24d-3 |
| Full product code                                               | 872016928758700                    |
| Order code                                                      | 929003757402                       |
| Material Nr. (12NC)                                             | 929003757402                       |
| Numerator - Quantity Per Pack                                   | 1                                  |
| EAN/UPC - Product/Case                                          | 8720169287587                      |
| Numerator - Packs per outer box                                 | 10                                 |
| EAN/UPC - Case                                                  | 8720169287594                      |

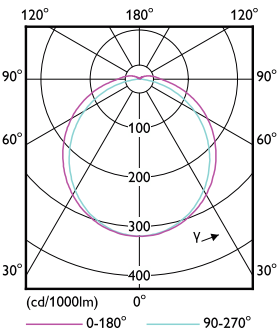
| Product                            | D1    | D2 | A1     | A2     | A3     |
|------------------------------------|-------|----|--------|--------|--------|
| CorePro LED PLC 8.9W 830 2P G24d-3 | 34 mm |    | 129 mm | 148 mm | 171 mm |



Spectral Power Distribution Colour - CorePro LED PLC 8.9W 830 2P G24d-3

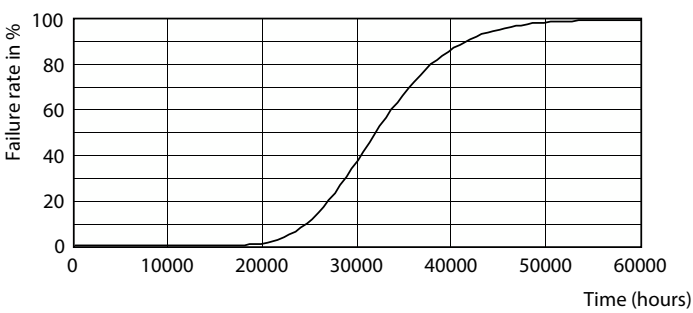
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Photometric data

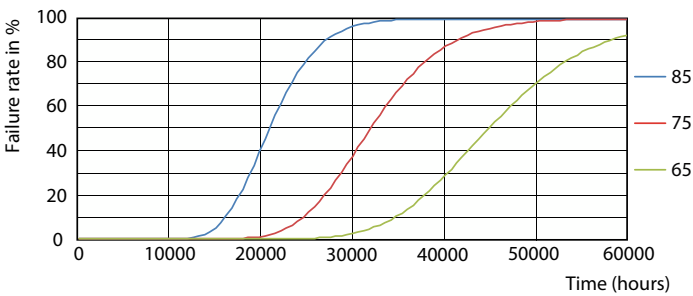


Light Distribution Diagram - CorePro LED PLC 8.9W 830 2P G24d-3

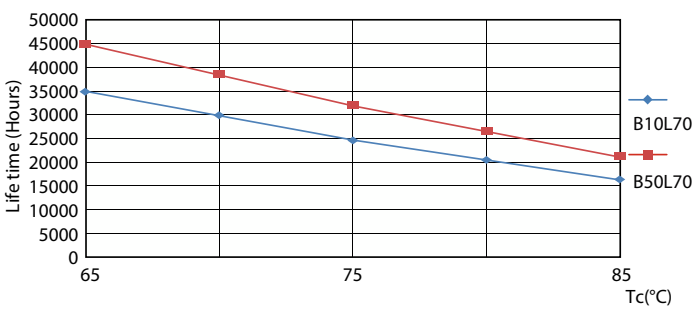
Lifetime



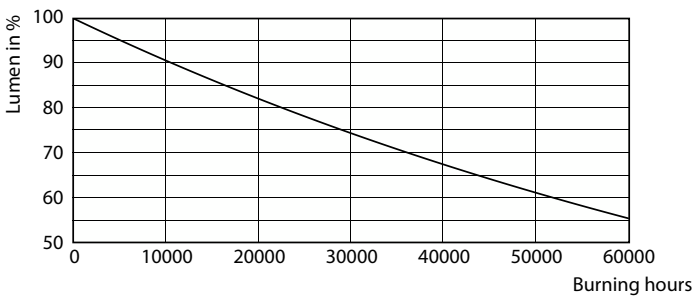
Life Expectancy Diagram



FailureRate



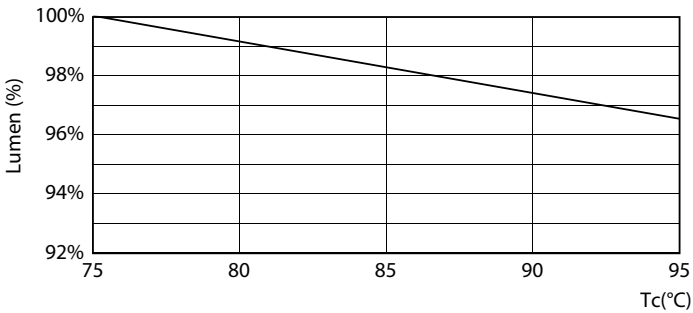
LifetimeVsTc



Lumen Maintenance Diagram - CorePro LED PLC 8.9W 830 2P G24d-3

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Lifetime



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